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AVAILABLE: Library of Congress

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8-24-59

BORTSOVA, M.P.; GAMAYUNOVA, P.B.; POPLAVSKAYA, A.V.; SHPICHKO, N.P.;
PAVLOV, G.D.; PODUNOVA, A.T.; LOVA, N.I.; ALEKSANDROVA, R.P.;
ATARUKOV, A.G.; VOROB'YEVA, Ye.I.; GAN'YANTS, E.M.; GELLER, D.Ya.;
PARSHINA, M.A.; FILINA, R.A.; CHUVELYAYEVA, Ye.S.

Selecting demulsifiers for crude oils processed in Grozny refinerries.
Trudy GrozNII no.4:17-26 '59. (MIRA 12:9)

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut (GrozNII)
(for Pavlov, Podunova, Lova).
(Groznyi--Petroleum--Refining)

BORTSOVA, M.P.; PAVLOV, G.D. [deceased]; FILINA, R.A.; MARTIROSOV, R.A.;
SHPICHKO, N.P.; REVEZA, M.I.

Plant experiments in the demulsification of Ozek-Suat oil and
the preparation of demulsifiers. Trudy GrozNII no. 15:34-41 '63.
(MIRA 17:5)

SAVVIN, S.B.; BORTSOVA, V.A.; MALKINA, Ye.N.

Photometric determination of niobium in zirconium-base alloys
by means of sulfochlorophenol C. Zhur. anal. khim. 20 no.9:
947-950 '65. (MIRA 18:9)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.
Vernadskogo AN SSSR, Moskva.

L 15998-66 EPF(n)-2/EWT(m)/EWP(t) IJP(c) WW/JD/JC

ACC NR: AP5024142

SOURCE CODE: UR/0075/65/020/009/0947/09950

AUTHOR: Savvin, S. B.; Bortsova, V. A.; Malkina, Ye. N.

ORG: Institute of Geochemistry and Analytical Chemistry im. V. I. Vernadskiy, AN SSSR, Moscow (Institut geokhimii i analiticheskoy khimii AN SSSR).

TITLE: Photometric determination of niobium in zirconium alloys using
sulfochlorophenol G 55 77 27,35

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 9, 1965, 947-950

TOPIC TAGS: photometry, columbium, zirconium base alloy

ABSTRACT: Sulfochlorophenol G (2,7 bis[azo-2,3,5-oxysulfochlorbenzene] -1,8-dioxynaphthalene-3,6 disulfoacid), similarly to other bisazo-derivatives of chromotropic acid, is capable of forming with other elements compounds which do not decompose in a strongly acid medium. This property of sulfochlorophenol G was used

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UDC: 543.70

L 15998-66

ACC NR: AP5024142

0

during the development of a method for the determination of 0.5 - 5% Nb in zirconium-base alloys without separation of Zr. The following procedure was used. Take a 50 mg sample of alloy, dissolve (by heating in a 100 ml glass) the sample with 3 ml of concentrated H_2SO_4 and 2g of ammonium sulfate, and heat the solution until it is almost dry. Dissolve the residue while heating in 5% tartaric acid, cool the solution, pour into a 100-ml measuring flask, and add a solution of tartaric acid. Take an aliquot part of the solution, containing $\approx 10^{-7}$ Nb, into a 25-ml measuring flask, add 6 ml of 6N HCl, 0.5 ml of 5% solution of complexon III, 2 ml of acetone, and 1 ml of 0.05% solution of sulfochlorophenol C, and bring almost to the mark by adding H_2O . Measure the optic density by comparing with the sulfochlorophenol C containing all the compounds mentioned above. The method permits the determination of niobium with separation of zirconium. Orig. art. has: 4 figures and 1 formula.

SUB CODE: 07, // SUBM DATE: 08Jun64/- ORIO REF: 012/ OTH REF: 002-8-012

Card 2/2

SHAKLANOV, I.G.; FUZYNYA, V.M.; BORTSOVA, Ye.M.

Stiffness of sole and insole leather. Kozh.-obuv. prom. 6
no.9:16-18 S '64. (MIRA 17:12)

Bortunov, E. M.

4

1551* Mode of Operation of Vertical Rolls of Universal
Rolling Mill Machinery. Rezhim raboty vertikal'nykh valkov
universal'nogo stana. (Russian.) L. F. Molokov, G. E.
Tsukanov, and E. M. Bortunov. *Stal*, v. 15, no. 10, Oct. 1955,
p. 914-915.

Speed ratios of horizontal and vertical rolls; relation of no.
of passes, roll edge pressures, reduction ratios, and other
parameters. Tablas.

df

(2)

~~EA~~ BORTUNOV, Ye. M.

1552" Intensification of Reduction Rate for an 1150-mm.
Blooming Mill. Intensifikatsiya rezhiraniya obshchit na bluminge
1150. (Russian.) A. P. Chekmarev, V. L. Pavlov, V. M.
Klimenko, G. E. Tsukanov, E. M. Bortunov, and P. A. Vash-
chuk. *Stal*, v. 15, no. 10, Oct. 1955, pp. 1116-121.

Studies to speed up rate of rolling steel blooms without im-
pairing quality. Micro-structure and mechanical properties of
blooms. Tables, micrographs, photograph, diagram. 8 ref.

HG

21 (5)

Bortunov, E. M.

1000

*Specimen
1000*

Improving mechanical properties of bridge steels. L. F. Morozov, M. Yulirov, G. H. Yulirov, R. M. Chernov, E. M. Bortunov, and N. G. Berezhn. *Steel* 15, 1430-1431 (1950). Bridge plate made of steel contg. C 0.12-0.20, Mn 0.40-0.70, and Si 0.12-0.25%, killed with 1 lb./ton Al, frequently did not meet the required impact strength min. of 1 ft.-lb./sq. cm. and showed coarse fracture. Supplementing Al deoxidation with the addn. of 1 lb./ton of Ti and controlling the temp. of the final pass as a function of plate thickness (figures given) greatly reduced the percentage of unsatisfactory plates. J. D. Gal-

⑥

*230
pms
230*

Bortunov, Ye. M.

137-1958-2-2790

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 84 (USSR)

AUTHORS: Klimenko, V.M., Meleshko, V.I., Chekhranov, V.D., Pavlov, V.L.,
Vorotyntsev, Yu.V., Bortunov, Ye.M., Nazarenko, Kh.N.,
Shafran, I.K.

TITLE: Increasing Blooming-mill Productivity (Uvelicheniye proizvoditel'nosti blyuminga)

PERIODICAL: Tr.In-ta chernoy metallurgii AN UkrSSR, 1957, Vol 11, pp 175-181

ABSTRACT: A comprehensive investigation of the performance of an 1150 mm blooming mill at the Dzerzhinskiy plant revealed ways in which blooming-mill output capacity could be increased. These required the adoption of certain technical and procedural measures, namely, improving the performance of the clamping gear and of the main power unit, better regulation of the heating of the metal, etc. Once this had been done and the new high-reduction runs had been inaugurated, the rolling operation could be shortened by 4-8 passes and 1-3 turnings, with a simultaneous 150 percent increase of the reduction per smooth roll and 200 percent increase of the reduction per grooved section roll. The quality of the rolling was not impaired, industrial tests showing that the incidence of rejects had declined from 1 percent to 0.6 percent.

Card 1/1

V.D.

1. Rolling mills--Production

S/193/60/000/003/001/010
A004/A001

AUTHOR: Bortunov, Ye. M.

TITLE: Model 120 Rolling Mill

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 3, pp. 5-7

TEXT: The Metallurgical Plant im. Dzerzhinskiy has put into operation the model 120 rolling mill of 70,000 tons annual capacity, intended for the rolling of round alternating shapes 40-120 mm in diameter with a maximum bar length of 4,000 mm. The 120 rolling mill train has been designed by the Dnepropetrovsk Branch of Gipromez. The mill and the auxiliary equipment have been developed by the Tsentrallyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya (Central Scientific Research Institute of Technology and Mechanical Engineering) (TsNIITMASH) and the mechanical engineering plant at Elektrostal'. The shears for the cold cutting of round shapes have been designed and manufactured by the Starokramatorskiy mashinostroyel'nyy zavod (Starokramatorsk Mechanical Engineering Plant), the h-f current induction heaters have been developed by the Leningradskiy nauchno-issledovatel'skiy institut tokov vysokoy chastoty im. Vologdina (Leningrad Scientific Research Institute of h-f Currents im. Vologdin). The

Card 1/3

Model 120 Rolling Mill

S/193/60/000/003/001/010
A004/A001

rolling mill is fully automatically controlled with the aid of a hydraulic system developed by TsNIIITMASH and the Mechanical Engineering Plant at Elektrostal'. The electric program control with a set-up of the given coordinate points has been designed and manufactured by the Leningradskiy proyektno-eksperimental'nyy otdel (Leningrad Planning and Experimental Department) of the Tyazhpromelektroproyekt Institute. The electric induction equipment consists of four two-stage heaters. In the first stage the blanks are heated to 700°C with 50 cps current, in the second stage they are heated to 1,250°C with current of 1,000 cps. The rated heating time amounts to 80 - 100 sec. for blanks of up to 58 mm diameter, 230 - 250 sec. for diameters of up to 120 mm the 120 rolling mill has three rolls forged of 5XMM (5KMM) grade steel. The roll dimensions are shown in the table.

Dimension	For cross sections	
	from 40-60 mm	from 60-120mm
Maximum diameter	300	330
Minimum diameter	140	220
Length of roll	205	150

Each roll has an independent 180 kw electromotor. The power transmission is effected via gear coupling and connected spindle. The outgoing bar speed amounts to 3.5 - 6.0 m/min. The model 120 rolling mill is

Card 2/3

Model 120 Rolling Mill

S/193/60/000/003/001/010
A004/A001

equipped with four shears, one of 630 tons cutting force with special profile blades for the cutting of the initial blanks, and 3 of 500 tons cutting force each for the trimming and cutting of the rolled shapes. There is 1 table and 1 figure.

Card 3/3

PISKLICH, V.D., inzh.; KRYZHANOVSKIY, A.L.; KUZNETSOV, M.F.; BORTUNOV, Ye.M.;
BURKHAN, G.N.

Repair of iron mill rolls by automatic build-up welding. Svar. proizv.
no.2:28-31 F '61. (MIRA 14:1)

1. Zhdanovskiy metallurgicheskiy institut (for Pisklich). 2. Dnepro-
dzerzhinskiy metallurgicheskiy zavod im. F.E. Dzerzhinskogo (for
Kryzhanovskiy, Kuznetsov, Bortunov, Burkhan).
(Rolls (Iron mills)—Maintenance and repair)
(Electric welding)

S/135/61/000/002/007/012
A006/A001

AUTHORS: Pisklich, V. D., Engineer, Kryzhanovskiy, A. L., Kuznetsov, M. P.,
~~Bortunov, Ye. M.~~, Burkhan, G. N.

TITLE: Reconditioning of Rolls by Automatic Building-Up

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 2, pp. 28-31

TEXT: The selection of proper conditions for the building-up of rolls is only possible if various method be tested at the same plant using the same rolling mill and rolls. At the Metallurgical Plant imeni Dzerzhinskiy a comparison was made in 1958-59 of results obtained by building-up steel rolls of a 550 roughing stand of the 330 and 260 section mills using alloyed steel wire and conventional welding wire under ceramic flux. The tests were made with the participation of workers of the Plant including G. P. Klimenko, V. P. Latyshev, P. F. Novikov, N. S. Nazarova. The following technology of building-up the rolls was employed: Preheating of the roll at the spot to be built-up to 380-400°C by an electric inductor; temperature control was made with thermopencils composed of 40% nickel carbonate and 60% petroleum paraffin. Building-up was performed under conditions given in Table 1. The sequence of building-up was selected according to the shape of the

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Reconditioning of Rolls by Automatic Building-Up

S/135/61/000/002/007/C12
A006/A001

grooves to the built-up by taking into account the inclined position of the roll. (Figure 2) During the building-up process temperature of the surfaces was maintained at about 380-400°C. The rolls were then cooled in a thermostat for about 12 - 18 hours down to 40 - 60°C. The built-up rolls were subjected to mechanical processing. The chemical composition of the built-up metal was determined (Table 2); wear resistance of the rolls was compared with that of rolls which had not been built-up (Table 3). As a result of the investigations performed it was found that automatic arc building-up of steel rolls under ceramic fluxes was one of the simplest and best available methods for reconditioning the rolls. The use of ceramic fluxes combined with Sv-08 wire, produces built-up metal of high wear resistance. The ceramic fluxes can successfully replace the scarce and expensive high-alloy electrode wires and assure considerable economical advantages. The comparison of some variants of building-up showed the advantage of using ceramic fluxes; building-up with such fluxes is recommended for large-scale production, which is however impeded by the lack of this material produced on a large scale.



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Reconditioning of Rolls by Automatic Building-Up

S/135/61/000/002/007/012
A006/A001

Table 1

ReCondition parameters of building-up rolls

Wire grade	30XГCA (30KhGSA)	60XГ (60KhG)	X20H10Г6 (KH20N10G6)	ЭИ701 (EI701)	Св-08 (Sv-08)	Св-08 (Sv-08)
Flux type	AH-348 (AN-348)	AH-348 (AN-348)	AH-20 (AN-20)	AH-20 (AN-20)	ХС-320/т (Zhs-320/t)	ХС-450/т (Zhs-450/t)
Wire diameter in mm	3.5	5	5	3.5	5	5
Current in amps	370-390	700-800	550-600	370-390	550-600	550-600
Arc voltage in v	32-36	36-38	30-32	30-34	28-30	28-30
Wire feed rate in mm/hr	109	56	56	109	37	37
Roll revolution speed in rpm	0.43	0.57	0.57	0.43	0.31 (0.43)	0.31(0.43)

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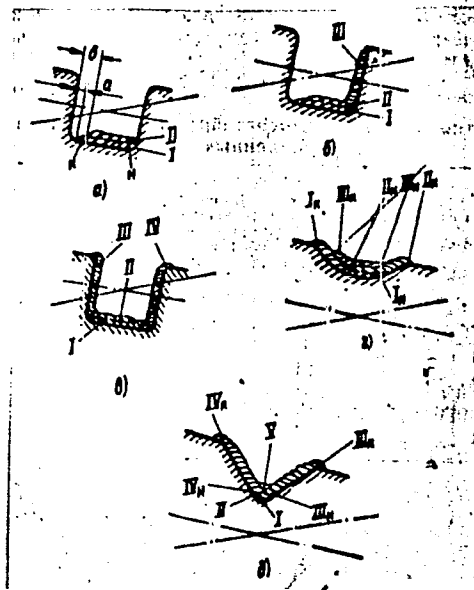
Reconditioning of Rolls by Automatic Building-Up

S/135/61/000/002/007/012
A006/A001

Figure 2

Schematic drawing of building-up grooves: I_n , II_n etc. are first, second etc. initial beads of built-up metal layers; I_k , II_k etc. are first, etc., final beads, of built-up metal layers.

Figure 2:



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Reconditioning of Rolls by Automatic Building-Up

S/135/61/000/002/007/012
A006/A001

Table 2

Chemical composition of base, filler and built-up metal

Metal investigated	Material	Chemical composition						
		C	Cr	Mn	Si	Ti	S	P
Bead	55	0.55	0.20	0.60	0.30	-	0.03	0.015
Electrode	-08(Sv-08)	0.09	0.06	0.44	Traces	-	0.05	0.016
Metal built-up under ceramic fluxes	ZhS-320/t	0.28	2.33	2.44	1.52	0.39	0.020	0.025
		0.28	2.20	2.20	1.44	0.34	0.018	0.026
		0.28	2.17	2.30	1.46	0.38	0.020	0.022
	ZhS-450/t	0.73	10.05	3.20	1.44	0.54	0.032	0.009
		0.83	10.65	3.34	1.60	0.56	0.038	0.010
		0.72	10.09	3.08	1.71	0.56	0.023	0.024



There are 4 tables, 5 figures and 4 Soviet references.

ASSOCIATIONS: Zhdanovskiy metallurgicheskiy institut (Zhdanov Metallurgical Institute (Pisklich); Dneprodzerzhinskiy metallurgicheskiy zavod imeni F. E. Dzerzhinskogo (Dneprodzerzhinsk Metallurgical Plant imeni F. E. Dzerzhinskiy) (Kryzhanovskiy, Kuznetsov, Bortunov, Burkhan)

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S/133/61/000/011/003/010
A054/A127

AUTHORS: Bortunov, Ye. M., Burkhan, G. N., Gavrillets, A. S., Borodiy, N. P.,
Engineers

TITLE: Surface defects of periodic sections produced by transverse-helical
rolling

PERIODICAL: Stal', no. 11, 1961, 1005 - 1008

TEXT: In transverse-helical rolling on the 120-mm mill the metal is subjected simultaneously to torsion and expansion. Consequently, defects in the billets do not disappear during rolling but, on the contrary, they become even more pronounced. The main defects of the initial product being rolled are hair cracks, arranged in one line at diametrically opposed spots (10 - 15 mm in width) of the billet cross section, corresponding with the parting line of the rolls. This pattern of hair cracks is caused by the effect of the grooving and setting of the rolls. By taking certain measures, (changing the billet section, increasing the number of passes, etc.) the amount of hair cracks could be reduced to some extent in billets which had a diameter of less than 90 mm, whereas in billets with a diameter of 90 mm and more, the hair cracks could not be eliminated. To establish

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Surface defects of periodic sections...

S/133/61/000/011/003/010
A054/A127

the possibilities of removing the surface defects and the effect of various conditioning methods on periodic sections rolled on the '120' mill, tests were carried out on 90-mm billets by pneumatic scarfing, flame scarfing and by grinding, while these operations were also applied in combination. The tests showed that the defects could not be removed by pneumatic nor flame scarfing, because very characteristic defects were found at the places where these conditioning methods were used: films, laps appear on the periodic sections, irrespective of the kind of defect (cracks, hair cracks, laps, films) in the initial product. Grinding with strips 10 - 15 mm wide, on the four diametrically opposed sides of the billet corresponding with the parting lines of the rolls seemed to be the most effective way of conditioning periodic sections produced by helical rolling. Chipping should be used only in the case of the defects being deeper than 0.6 mm with subsequent grinding of the remaining defects. There are 6 figures and 3 Soviet-bloc references.

ASSOCIATION: Metallurgicheskiy zavod im. Dzerzhinskogo (Metallurgical Plant im. Dzerzhinskiy)

Card 2/2

MOLOTKOV, L.F.; YUFEROV, V.M.; KRYZHANOVSKIY, A.L.; SHAFRAN, I.K.;
BORTUNOV, Ye.M.; SOROCHAN, N.G.; MADZHAR, N.I.; VOROB'YEV, A.F.

Investigating pressures during the rolling of universal strips.
Izv.vys.ucheb.zav.; Chern.Met. 5 no.4:76-81 '62. (MIRA 15:5)

1. Dneprodzerzhinskiy metallurgicheskiy institut i Zavod im.
F.E.Dzerzhinskogo.

(Rolling (Metalwork)) (Pressure)

MOLOTKOV, L.F., dotsent, kand. tekhn. nauk; YUFEROV, V.M., dotsent, kand. tekhn. nauk; KUCHENKOV, M.P., inzh.; CHERNEVICH, Ye.M.; BORTUNOV, Ye.M.; SORUCHAN, N.G.; MADZHAR, P.I.

Ways of increasing the output of rolled products acceptable for their mechanical properties during the rolling of M16S, St.3M, and 15KhSND steel on universal mills. Stal' 24 no.9:824-827 S '64.
(MIRA 17:10)

BORTVIN, A.I., inzhener.

Preparing concrete surfaces for plastering. Biul.stroi.tekh. 13
no.1:13-14 Ja '56. (MLRA 9:5)

1. Trest Dneprovskpromstroy.
(Plastering)

RATNIKOV, Aleksey Ivanovich, kand. sel'khoz.nauk; BORTYAKOVA,
N.I., red.

[Soils in the upper reaches of the Oka and the Don Rivers]
Pochvy verkhov'ev Oki i Dona. Tula, Tul'skoe knizhnoe izd-
vo, 1963. 158 p. (MIRA 17:5)

PEDOTOV, Aleksandr Ivanovich; BORTYAKOVA, N.I., red.; PULIN, L.I., tekhn.red.

~~.....~~
[Role of Tula workers in organizing industry, 1921-1925] Rol'
tul'skikh rabochikh v vosstanovlenii promyshlennosti, 1921-1925 sr.
Tul'skoe knizhnoe izd-vo, 1958. 106 p. (MIRA 12:2)
(Tula government--Industries)

BORU, M., ing.; FORJE, A., ing.

Considerations on the admissibility criteria regarding joining
systems on main lines by means of atomic radiation control.
Petrol si gaze 14 no.7:358-362 JI '63.

1 11217-00 ENP(c)/ENP(v)/1/ENP(t)/ENP(k)/ENP(b)/ENP(i)/EIC(m) TI/JD/WW/WH/WE

ACC NR: AP6004962 SOURCE CODE: RU/0007/65/016/001/0059/0061

AUTHOR: Boru, M. (Engineer); Craciun, C. (Engineer)

ORG: none

TITLE: Control of the continuity of the anticorrosive insulation of main pipe lines by means of electrical spark apparatus

SOURCE: Petrol si gaze, v. 16, no. 1, 1965, 59-61

TOPIC TAGS: corrosion protection, insulating material, pipeline, gas corrosion, electronic test equipment

ABSTRACT: After a summary of the specifications for normal, strong, and very strong insulation for gas and petroleum pipe lines contained in the State standards, the authors discuss the selection of the proper tension required to test anti-corrosive insulation, the principle involved in the creation of the required high tensions, and the method of checking for frequently encountered defects by means of a spark defectoscope.

Orig. art. has: 3 figures and 2 tables. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001
SOV REF: 002

Card 1/1

BORUCHINKINA, A.A.; DRENOV, N.V.; MENNER, V.V.; SHUL'TS, N.E.

Devonian stratigraphy of the interfluvium of the Stony and Lower
Tunguska Rivers. Trudy VAGT no.7:133-139 '61. (MIRA 14:7)
(Podkamennaya Tunguska Valley—Geology, Stratigraphic)
(Lower Tunguska Valley—Geology, Stratigraphic)

BORUCINSKA, J.; POWIERTOWSKI, H.; WENCEL, T.

Methods of research on speech disturbances in persons suffering
from focal brain lesions. Przegl psychol no.5:97-107 '62.

*

WENCEL, Tadeusz; BORUCINSKA, Jadwiga; MARCINKOWSKA, Barbara

Tests in patients with brain damages. II. Disorders in Kohs' test in patients with focal brain damages. Rozpr.wydz.nauk med. 6 no.2: 253-264 '61.

1. Zespól prac z Kliniki Neurochirurgii AM w Poznaniu Kierownik: zast. prof. dr H. Powiertowski.

(BRAIN dis) (PSYCHOLOGICAL TESTS)

BORUCKI, Jerzy; SALDAN, Marian

Natural radioactivity and absolute age (K--Ar) of the crystalline rocks from the Rzeszotary IG-2 borehole. Kwartalnik geol 9 no.1: 1-16 '65.

1. Department of Rare and Radicactive Element Deposits of the Institute of Geology, Warsaw. Submitted July 13, 1964.

BORUCKI, Jerzy

- (2)
- Warsaw, Ilustrowana Gazeta, Vol X, No 3 (105), March 62
11. "Book Reviews," Jerzy BORUCKI, JP. 172-173.
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~~Source: Stint 1965, no. 1, p. 1~~

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1. Vedoucí organ. metod. odd. Krajského ústavu národního
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Uncl.

Re. the [illegible]

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R. Trauscor.

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(Kierownik: doc. dr. med. P.Boron) or z z Zakładu Fizyki
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Stratigraphy and paleogeography of the Upper Jurassic of the Chvezhipsinskaya zone; northwestern Caucasus. Izv. vys. ucheb. zav.; geol. i razv. 7 no.9:40-47 S '64.

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1. Kafedra dinamicheskoy geologii Moskovskogo universiteta.

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1. Institut geologii rudnykh mestorozhdeniy, petrografii,
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BORUKAYEV, R.A.

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(Kazakhstan--Geology, Stratigraphic)

BORUKAYEV, R. A.

21080 Borukayev, R.A. i Shlygin, Ye. D. Ucheny y, inzhener, organizator (K 50-letiyu so dlya Rozhdeniya Prezidenta Akad, Nauk Kazakh SSR K.I. Satpayeva) Vestnik Akad. Nauk Kazakh SSR, 1949, No. 4, S. 24-33--Bibliogr<Trudy K.I. Satpayeva,>>187 Nazv.

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BCRUKAYEV, R. A.

20563 BORUKAYEV, R. A. Salairskiy lektogenez v Cevero - Vostochnom kazakhstane.
Izvestiya aked. nauk kazak. SSR, No. 70, Seriya geol., vyp. 11. 1949, s. 21 32.-
Rezyume na kazakh yaz.-Bibliogr: 11 NAZV.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva - 1949

BORUKAYEV, R. A.

On the rise of appearance of tourmaline ore mineralization
of lower Paleozoic age in Central Kazakhstan. R. A.
Borukayev, S. M. Baudaletov, O. P. Vypl. bey, and I. F.
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(Whole No. 111), 76-9 (1954) (in Russian). A detailed
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deposit is associated with a massive syenite intrusion and
consists of tourmalinized tectonic breccia of the syenites.
G. M. Kosolapoff.

3

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,
p 44 (USSR) 15-57-2-1481

AUTHOR: Borukayev, R. A.

TITLE: Structural Development in Northeastern Central
Kazakhstan (Razvitiye tektonicheskikh struktur severo-
vostoka Tsentral'nogo Kazakhstana)

PERIODICAL: Izv. AN KazakhSSR, ser. geol. 1954, Nr 18, pp 3-16

ABSTRACT: Bibliographic entry
Card 1/1

BORUKAYEV, Ramazan Aslanbekovich; SATPAYEV, K.I., akademik, redaktor;
GUROVA, O.A., tekhnicheskii redaktor

[Pre-Paleozoic and Lower Paleozoic of the northeastern part of
Central Kazakhstan (Sary-Arka).] Dopaleozoi i nizhnii paleozoi
severo-vostoka T Sentral'nogo Kazakhstana (Sary-Arka). Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1955.
406 p.

(MIRA 9:3)

(Kazakhstan--Paleontology--Paleozoic)

BORUKAYEV, R.A.

Sedimentation conditions during the pre-Cambrian and Paleozoic in
the northeast section of Central Kazakhstan. Izv. AN Kazakh. SSR, Ser.
geol. no.19:8-39 '55. (MLRA 9:8)

(Kazakhstan--Geology, Stratigraphic)

BORUKAYEV, R.A.

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Paleozoic of the northeast section of central Kazakhstan. Izv. AN
Kazakh. SSR, Ser. geol. no. 20:36-51 '55. (MLRA 9:8)
(Kazakhstan--Geology, Stratigraphic)
(Kazakhstan--Ore deposits)

BORUKAYEV, R. A.

GP VGeology of the region of the middle course of the Salet
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Bandaletov, G. F. Lyapichev, and I. F. Nikitin. *Izvest.
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IVSHIN, Nikolay Karpovich, kandidat geologo-mineralogicheskikh nauk;
BORUKAYEV, R.A., otvetstvennyy redaktor; VOZHEYKO, I.V., redaktor;
~~KUZNETSOVA~~ A.Ye., tekhnicheskii redaktor

[Upper Cambrian trilobites of Kazakhstan] Verkhnekambriiskie
trilobity Kazakhstana. Alma-Ata, Izd-vo Akademii nauk Kazakhskoi
SSR. Pt.1. [Kuyandin fauna horizon of the Olenty-Shiderty inter-
fluvial] Kulandinskii faunisticheskii gorizont mezhdurech'ia
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1. Deystvitel'nyy chlen Akademii nauk Kazakhskoy SSR (for Borukayev)
(Kazakhstan--Trilobites)

NIKITIN, Igor' Fedorovich; BORUKAYEV, R.A., akademik, doktor geologo-mineralogicheskikh nauk, otvetstvennyy redaktor; VASILAVSKIY, N.A., redaktor; BOROKINA, Z.P., tekhnicheskii redaktor

[Brachiopoda of the Cambrian and Lower Ordovician in the northeastern part of central Kazakhstan] Brakhiopody kembriia i nizhnego ordovika sever-vostoka TSentral'nogo Kazakhstana. Alma-Ata, Izd-vo Akademii nauk Kazakhskoi SSR, 1956. 143 p. (MLBA 10:2)

1. Akademiya nauk Kazakhskoy SSR (for Borukayev)
(Kazakhstan—Brachiopoda, Fossil)

BORUKAYEV, Ch.B.; D'YAKONOV, A.I.

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IVSHIN, Nikolay Karpovich, kandidat geologo-mineralogicheskikh nauk;
~~BORUKAYEV, B.A.~~, akademik, otvetstvennyy redaktor; BURLACHENKO, L.A.
redaktor; ALFEROVA, P.F., tekhnicheskiiy redaktor

[Middle Cambrian Trilobites of Kazakhstan] Srednekembriiskie trilobity
Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Pt. 2.

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1. Akademiya nauk Kazakhskoy SSR. (for Borukayev)
(Kazakhstan--Trilobites)

BORUKAYEV, R.A.

PHASE I BOOK EXPLOITATION 1188

Akademiya nauk Kazakhskoy SSR, Alma-Ata

Nauka v Kazakhstane za sorok let sovetской vlasti (Science in Kazakhstan During the Forty Years of the Soviet Regime) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1957. 452 p. 6,000 copies printed.

Editorial Board: Satpayev, K.I. (chairman), Baishev, S.B. (resp. ed.); Bazanova, N.U., Polosukhin, A.P., Pokrovskiy, S.N., Zykov, D.A., Chokin, Sh. Ch., Academicians, Kazakh SSR Academy of Sciences; Ed.: Gorshenin, D.S.; Tech. Ed.: Rorokina, A.P.

PURPOSE: This collection of articles is intended for the general reader.

COVERAGE: This is a collection of twenty articles compiled by 24 authors on various aspects of scientific progress in Soviet Kazakhstan. One third of the articles also deal with the progress made in the main fields of industrial endeavor. The articles on the development of science survey the main contributions made in the respective branches by Kazakh scientists, and enumerate and describe the existing scientific institutes, organizations, and universities. A large number of scientists are mentioned and their fields of interest stated.

Card 1/4

Science in Kazakhstan During the Forty (Cont.) 1188

There are 10 photographs, 2 maps, 1 table (on the morphogenetic types of Kazakh iron ore deposits), and numerous Soviet references in the text.

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BORUKAYEV, R. A.

RUSAKOV, M.P.; BORUKAYEV, R.A.; KUSHEN, G.L.

The oldest geological institution of our country. Vest AN
Kazakh.SSR 13 no.5:113 Ky '57. (MLRA 10:9)
(Geology)

SATPAYEV, K.I.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; BOK, I.I.; KUZNEV, G.L.;
 SNEGOYEV, N.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; MONICH, V.K.;
 LOMONOVICH, I.I.; LAVROV, V.V.; MEDOYEV, G.TS.; NOVOKHATSKIY, I.P.;
 BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; KOLOTILIN, N.F.; ZHILINSKIY,
 G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; SATPAYEVA, T.A.; ABDULKABIROVA,
 M.A.; GAZIZOVA, K.S.; VEYTS, B.I.; KHAYRUTDINOV, D.Kh.; MUKHAMEDZHANOV,
 S.M.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; TAZHIBAYEVA, P.T.; YANULOVA,
 M.K.; BYKOVA, M.S.; VOLKOV, A.N.; BOLGOV, G.N.; MITRIAYEVA, N.M.;
 CHOKABAYEV, S.Ye.; KUNAYEV, D.S.; YARENISKAYA, M.A.; REBROVA, T.I.

Tireless explorer of the depths of the earth's crust; on the 65th
 birthday and 40th anniversary of the scientific engineering ac-
 tivities of Academician M.P. Rusakov. Vest. AN Kazakh. SSR 13
 no.12:96-97 D '57. (MIRA 11:1)

(Rusakov, Mikhail Petrovich, 1892-)

BORUKAYEV, R.A., akad.; BORSUK, B.I.; KELLER, B.M.; AYITALIYEV, Zh.A.;
BOGDANOV, A.A.; BUBLICHENKO, N.L.; BYKOVA, M.S.; GALITSKIY, V.V.;
MEDOYEV, G.Ts.; MYAGKOV, V.M.; ORLOV, I.V., RUKAVISHNIKOVA, T.B.;
SHLYGIN, Ye.D.; NIKITIN, I.F., uchenyy sekretar'; SENKEVICH, M.A.,
uchenyy sekretar'.

[Resolutions of the Conference on the Unification of Stratigraphic
Charts of the Pre-Paleozoic and Paleozoic of Eastern Kazakhstan]
Rezoliutsiia po unifikatsii stratigraficheskikh skhem dopaleozoya
i paleozoya vostochnogo Kazakhstan. Alma-Ata, Izd-vo Akad. nauk
Kazakhskoi SSR, 1958. 36 p. (MIRA 11:12)

1. Soveshchaniye po unifikatsii stratigraficheskikh skhem dopaleozoya vostochnogo Kazakhstan. Alma-Ata, 1958. 2 Akademiya nauk Kazakhskoy SSR, predsdatel' soveshchaniya po unifikatsii stratigraficheskikh skhem dopaleozoya i paleozoya vostochnogo Kazakhstan (for Borukayev). 3. Zam.predsdatelya soveshchaniya po unifikatsii stratigraficheskikh skhem dopaleozoya i paleozoya vostochnogo Kazakhstan; Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut (for Borsuk). 4. Zam.predsdatelya soveshchaniya po unifikatsii stratigraficheskikh skhem dopaleozoya i paleozoya vostochnogo Kazakhstan; Geologicheskii institut Akademii nauk SSSR (for Keller). 5. Ministerstvo geologii i okhrany nedr Kazakhskoy SSR (for Ayta-lyev, Myagkov). 6. Moskovskiy gosudarstvennyy universitet im. M.V.

(Continued on next card)

BORUKAYEV, R.A.---(continued) Card 2.

Lomonosova (for Bogdanov). 7. Altayskiy gorno-metallurgicheskiy nauchno-issledovatel'skiy institut Akademii nauk Kazakhskoy SSR (for Bublichenko). 8. Institut geologicheskikh nauk Akademii nauk Kazakhskoy SSR (for Bykova, Galitskiy, Medoyev, Shlygin, Nikitin). 9. Tsentral'no-Kazakhstanskoye geologicheskoye upravleniye (for Orlov). 10. Yuzhno-Kazakhstanskoye geologicheskoye upravleniye (for Rukavishnikova, Senkevich).
(Kazakhstan--Geology, Stratigraphic)

Breakage, K.A.

BAISHEV, S.B., akademik, otv.red.; NEMCHINOV, V.S., akademik, otv.red.;
BATISHCHEV-TARASOV, S.D., inzh.-geolog, laureat Leninskoy premii,
red.; BOGATYREV, A.S., red.; KHRAMKOV, I.P., red.; BORUKAYEV, R.A.,
akademik, otv.red.; TOPORKOV, D.D., laureat Leninskoy premii, red.;
NOVOKHATSKIY, I.P., kand.geologo-mineralog.nauk, starshiy nauchnyy
setrudnik, red.; PONOMAREV, V.D., doktor tekhn.nauk, otv.red.;
ADAMCHUK, V.A., kand.ekon.nauk, starshiy nauchnyy setrudnik, red.;
LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; ALEKSEYEV, G.M., kand.
ekon.nauk, starshiy nauchnyy setrudnik, red.; SEMENOV, M.N., red.;
SUVOLOVA, I.I., red.; MOSKVICHEVA, L.N., red.; KUZNETSOV, Yu.N.,
red.; MASLENNIKOV, L.I., spetsred.; POLYVIANNYY, I.R., spetsred.;
LYSENKO, I.Z., kand.tekhn.nauk, spetsred.; ALFEROVA, P.F., tekhn.red.

[Proceedings of the joint scientific session in Kustanay devoted
to the problems of the Turgay regional and economic complex]
Trudy ob"edinennoi Kustanayskoi nauchnoi sessii, posvyashchennoi
problemam Turgayskogo regional'no-ekonomicheskogo kompleksa.
Kustanay, 1957. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR. Vol.1.
[Materials of plenary sessions] Materialy plenarnykh zasedanii.
1958. 150 p. Vol.2. [Geological section] Geologicheskaya sektiia.
1958. 393 p. Vol.3. [Materials of the mining metallurgy section]
Materialy gornometallurgicheskoi sektiia. 1958. 318 p. (MIRA 11:12)

1. Ob"yedinennaya Kustanayskaya nauchnaya sessiya, posvyashchennaya
problemam Turgayskogo regional'no-ekonomicheskogo kompleksa.

(Continued on next card)

BAISHEV, S.B.---(continued) Card 2.

2. AN Kazakhskoy SSR, vitse-president AN Kazakhskoy SSR (for Baishov).
3. AN SSSR, predsedatel' Soveta po izucheniyu proizvoditel'nykh sil AN SSSR (for Nemchinov).
4. Kustanayskiy geologo-razvedochnyy trešt (for Batishchev-Tarasov).
5. Ministr geologii i okhrany nedr Kazakhskoy SSR (for Begatyrev).
6. Sekretar' Kustanayskogo obkoma Kommunisticheskoy partii Kazakhstana (for Khramkov).
7. AN Kazakhskoy SSR, predsedatel' otdeleniya mineral'nykh resursov AN Kazakhskoy SSR (for Borukayev).
8. Zamestitel' direktora Kazakhskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta mineral'nogo syr'ya (for Toporkov).
9. Institut geologicheskikh nauk AN Kazakhskoy SSR (for Novokhatskiy).
10. Zamestitel' direktora Instituta metallurgii i obogashcheniya AN Kazakhskoy SSR (for Ponomarev).
11. Sovet po izucheniyu proizvoditel'nykh sil AN SSSR (for Adamchuk, Alekseyev).
12. Zaveduyushchiy laboratoriyey chernykh metallov Instituta metallurgii i obogashcheniya AN Kazakhskoy SSR (for Lyudogevskiy).
13. Uchenyy sekretar' Soveta po izucheniyu proizvoditel'nykh sil AN Kazakhskoy SSR (for Maslennikov).
14. Zamestitel' predsedatelya Soveta po izucheniyu proizvoditel'nykh sil AN Kazakhskoy SSR (for Lysenko).

(Kustanay Province--Economic conditions)
(Kustanay Province--Mines and mineral resources)

BORUKAYEV, R. A.

11-1-24/29

AUTHORS: Pustovalov, L.V., Borukayev, R.A., Pavlovskiy, Ye.V.

TITLE: The Second Session of the International Association for the Study of Plutonic Zones of the Earth's Crust in Scotland
(II sessiya mezhdunarodnoy assotsiatsii po izucheniyu glubinnykh zon zemnoy kory v Shotlandii)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, # 1, pp 111-112 (USSR)

ABSTRACT: The second session of the International Association for the study of plutonic zones of the earth was held at Edinburgh on September 12, 1957. The USSR Academy of Sciences was represented by member-correspondent L.V. Pustovalov, academician R.A. Borukayev, of the Kazakhstan Academy of Sciences, doctor of geologic-mineral sciences Ye.V. Pavlovskiy (Geological Institute of the USSR Academy of Sciences) and secretary N.V. Khabarin. The leader of the Soviet delegation, R.A. Borukayev was elected president of the convention. The members of the convention had the opportunity to study the ancient geologic formations of Scotland at the occasion of several excursions. It was decided to hold the

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11-1-24/29

The Second Session of the International Association for the Study of
Plutonic Zones of the Earth's Crust in Scotland

third session of the International Association in France in
1959.

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Card 2/2

BORUKAYEV, R.A.

SATPAYEV, K.I.; POLOSUKHIN, A.P.; BAISHEV, S.B.; CHOKIN, Sh.Ch.; BORUKAYEV, R.A.;
AKHMEDSAFIN, U.M.; KUSHEV, G.L.; SHCHERBA, G.N.; MONICH, V.K.; MEDOYEV,
G.TS.; LAVROV, V.V.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; ZHILINSKIY,
G.B.; KAYUPOV, A.K.; KAZANLI, D.N.; KOLOTILIN, N.F.; MUKHAMEDZHANOV, S.M.;
SATPAYEVA, T.A.; VEYTS, B.I.; GAZIZOVA, K.S.; CHOLPANKULOV, T.Ch.;
PARSHIN, A.V.; BYKOVA, M.S.; MITRYAYEVA, N.M.; VOLKOV, A.N.; CHAKABAYEV,
S.Ye.; YARENSKAYA, M.A.; KHAYRUTDINOV, D.Kh.

On the 60th anniversary of the birth of I.I. Bok, Academician of the
Academy of the Kazakh S.S.R. Vest.AN Kazakh.SSR 14 no.10:95-96
0 '58. (MIRA 11:12)

(Bok, Ivan Ivanovich, 1898-)

BORUKAYEV, R.A.; LYAPICHEV, G.F.

Pre-Cambrian stratigraphy of central and southern Kazakhstan.
Izv. AN Kazakh. SSR. Ser. geol. no.2:7-19 '59; (MIRA 13:2)
(Kazakhstan--Geology, Stratigraphic)

AVROV, P.Ya.; AYDALIYEV, Zh. A.; AUEZOV, M.O.; AKHMEDSAFIN, U.M.; BATISHCHEV-
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